



Welcome!



Improving access to marine data using an Application Programming Interface standard

Sharing the outputs from two projects trialling the Open Geospatial Consortium's (OGC) Environmental Data Retrieval (EDR) API standard for marine data

 [@MEDIN_marine](https://twitter.com/MEDIN_marine)
[#MEDINAPI](https://twitter.com/MEDIN_marine)

Video conference etiquette



Use the raise hand function if you want to unmute to ask a question



Alternatively, use the chat to ask questions



Please make sure you are muted when you are not speaking



Video optional: Using video is great for interaction, but we understand if you don't have a camera or prefer to keep it off

Agenda



Welcome



Introduction to MEDIN and the aims of the pilot projects.



Introduction to the OGC EDR API Standard



Summary and demonstration of MEDIN pilot project - Cefas and DASSH



Comfort break



Summary and demonstration of MEDIN pilot project - BGS



Recommendations



Next steps

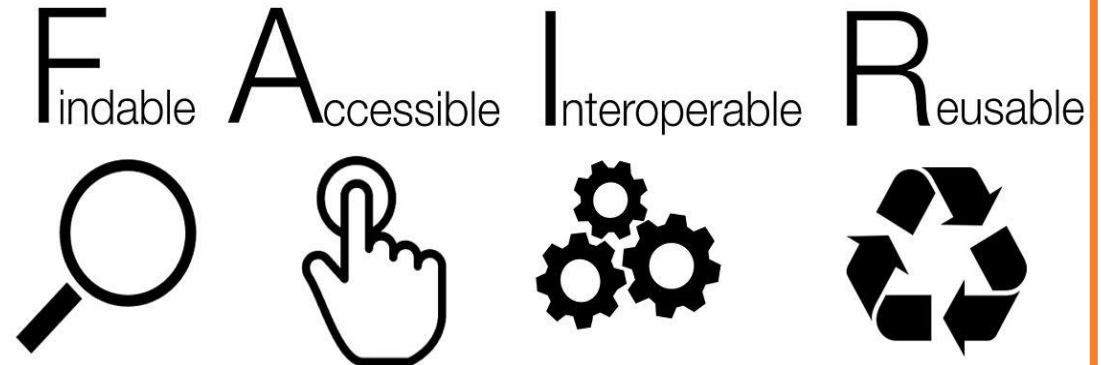


Introduction to MEDIN & the aims of the pilot projects

Dr Clare Postlethwaite
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Vision

All UK marine data



Established 2008



What is MEDIN?

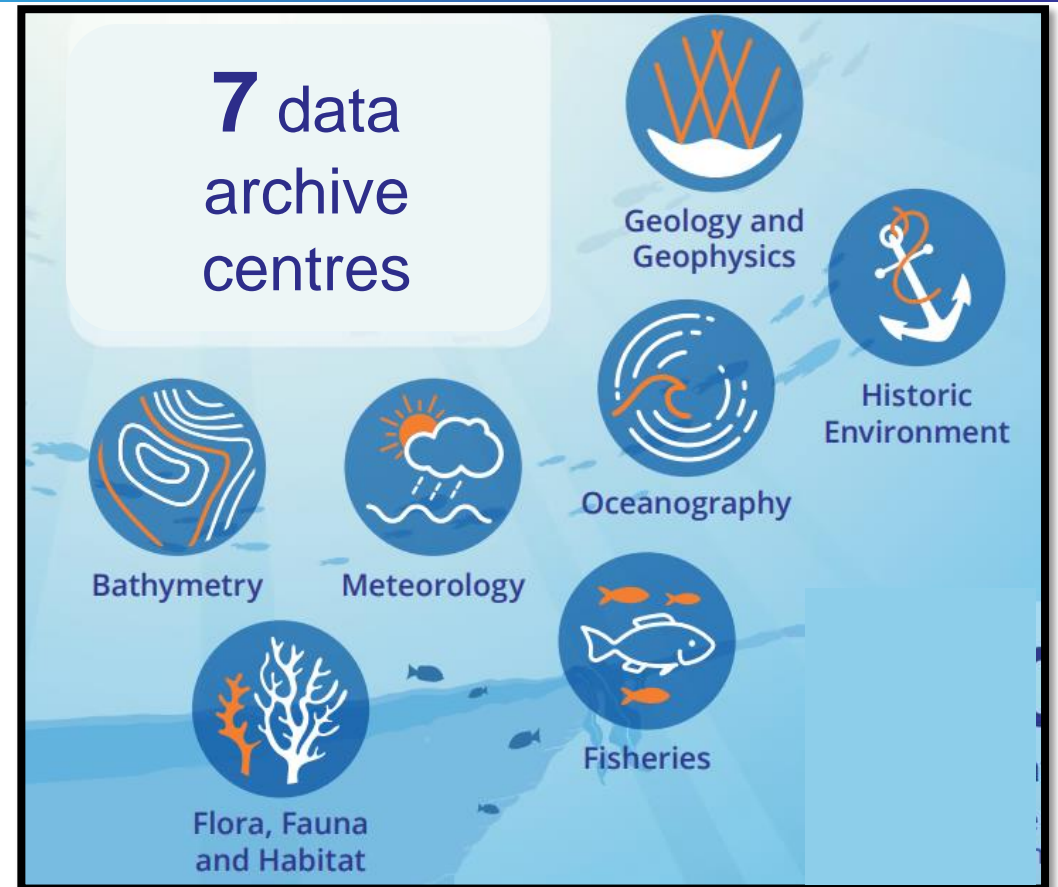
Long-term, open partnership

Funded by 15 sponsors

*Hosted at the National
Oceanography Centre*

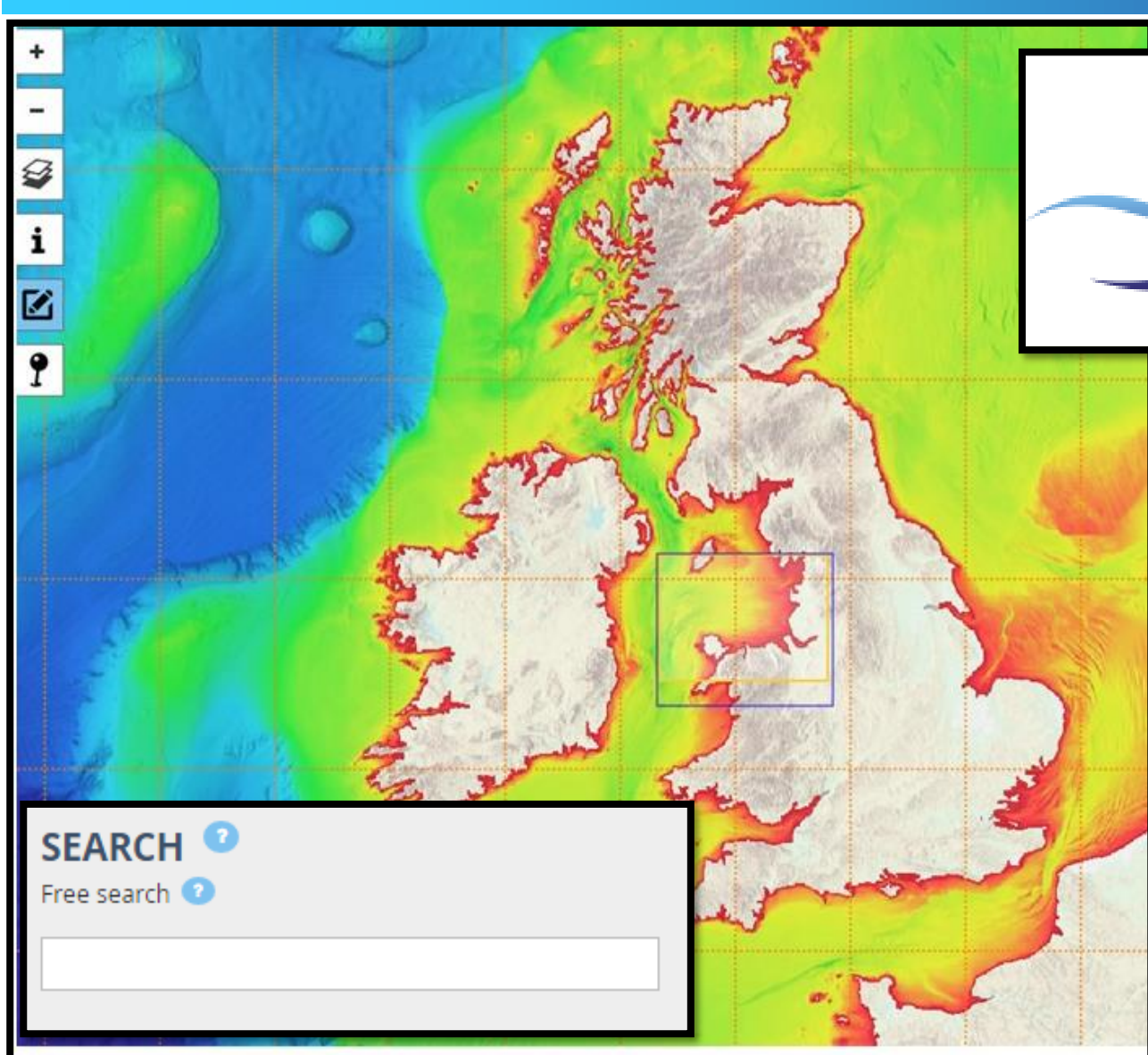
*National framework for marine
data management in the UK*

*Group of organisations, tools
and resources that make
available UK marine data*

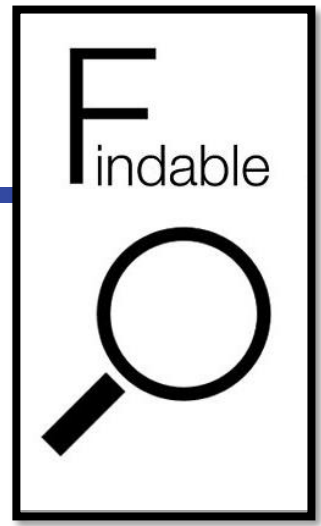


Llywodraeth Cymru
Welsh Government

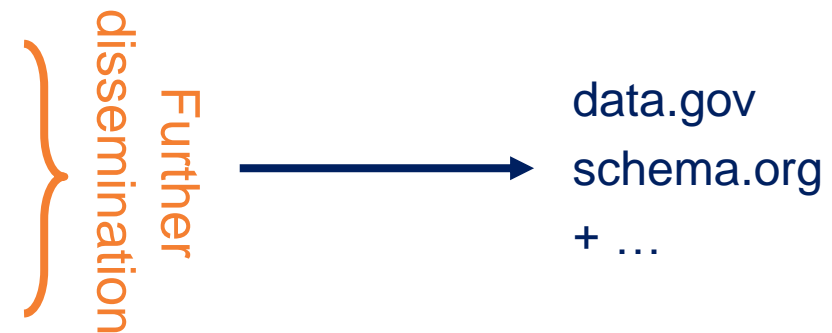
A single place to “Find” UK marine data



SEARCH ?
Free search ?



17,300 datasets
600 organisations



https://www.youtube.com/watch?v=8YKS_5AThkg

A network of accredited Data Archive Centres



National Oceanography Centre
British Oceanographic Data Centre BODC



British Geological Survey



United Kingdom Hydrographic Office



DASSH The Archive for Marine Species and Habitats Data

marinescotland



Cefas



Comisiwn Brenhinol Henebion Cymru
Royal Commission on the Ancient and Historical Monuments of Wales



HISTORIC ENVIRONMENT SCOTLAND

ÀRAINNEACHD EACHDRAIDHEIL ALBA



Internationally interoperable tools/data flows

UK Marine Standard:



UK Standard:
GEMINI2

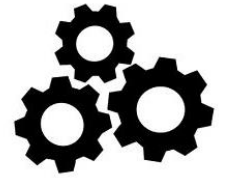


European Standard:
INSPIRE Directive



International Standard:
ISO19115

Interoperable



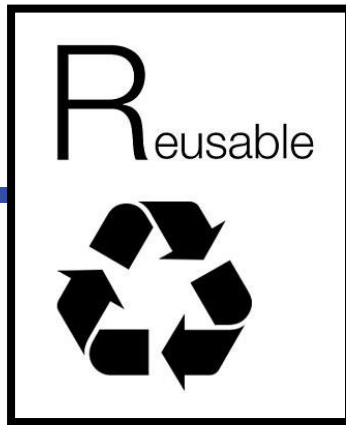
Standard



Controlled
vocabularies



Tools to ensure data are reusable



Data Guidelines

list of information that should be collected with your data to ensure they can be re-used in the future.

Tailored to >25 different methods/data types



Guidelines

Community derived
and supported



Communication

Active **social media**
@MEDIN_marine



MEDIN website medin.org.uk

Links to tools and resources
e.g. Marine Data Management
cartoon, infographics etc

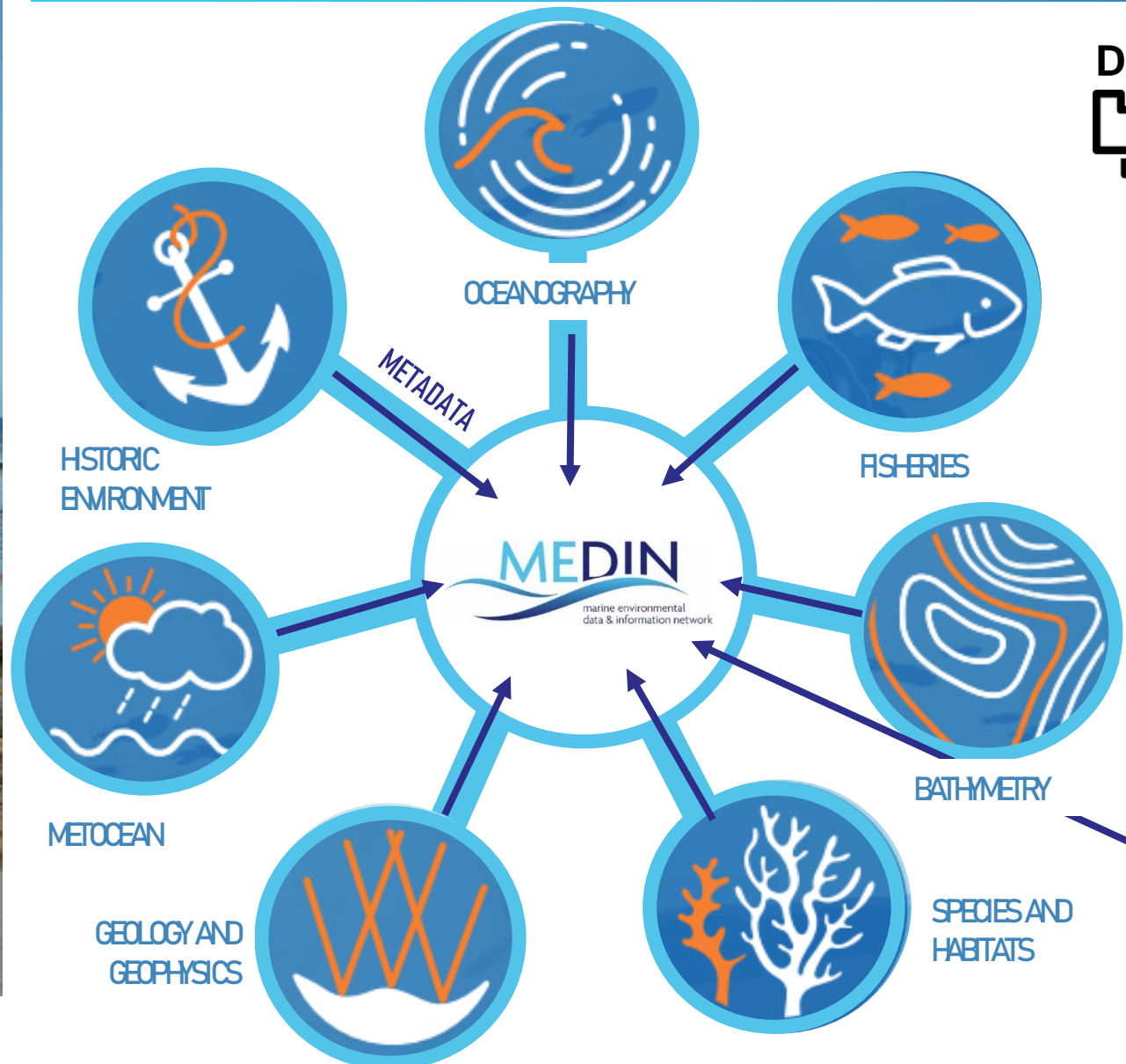
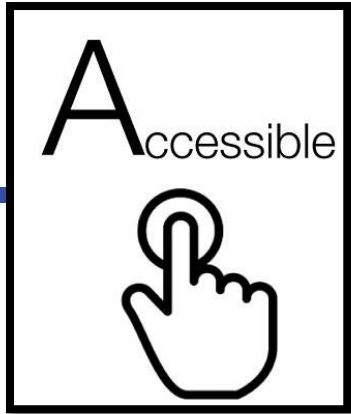


Marine Data News is a quarterly free electronic newsletter that delivers the latest news and information on marine data from around the United Kingdom.

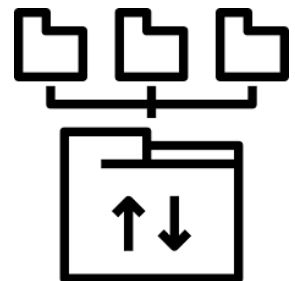
[Subscribe to Marine Data News](#)



The pilot projects – trialling new standard



Data Archive Centres



Can we standardise how marine data are accessed from different organisations?



Local data holders
e.g. NRW,
Crown Estate





Environmental Data Retrieval



**OGC
APIs**

**Building Blocks
for Location**





Project Objective:

- Implement the new standard on marine data, demonstration



**OGC
APIs**

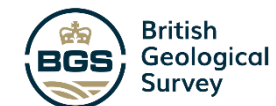
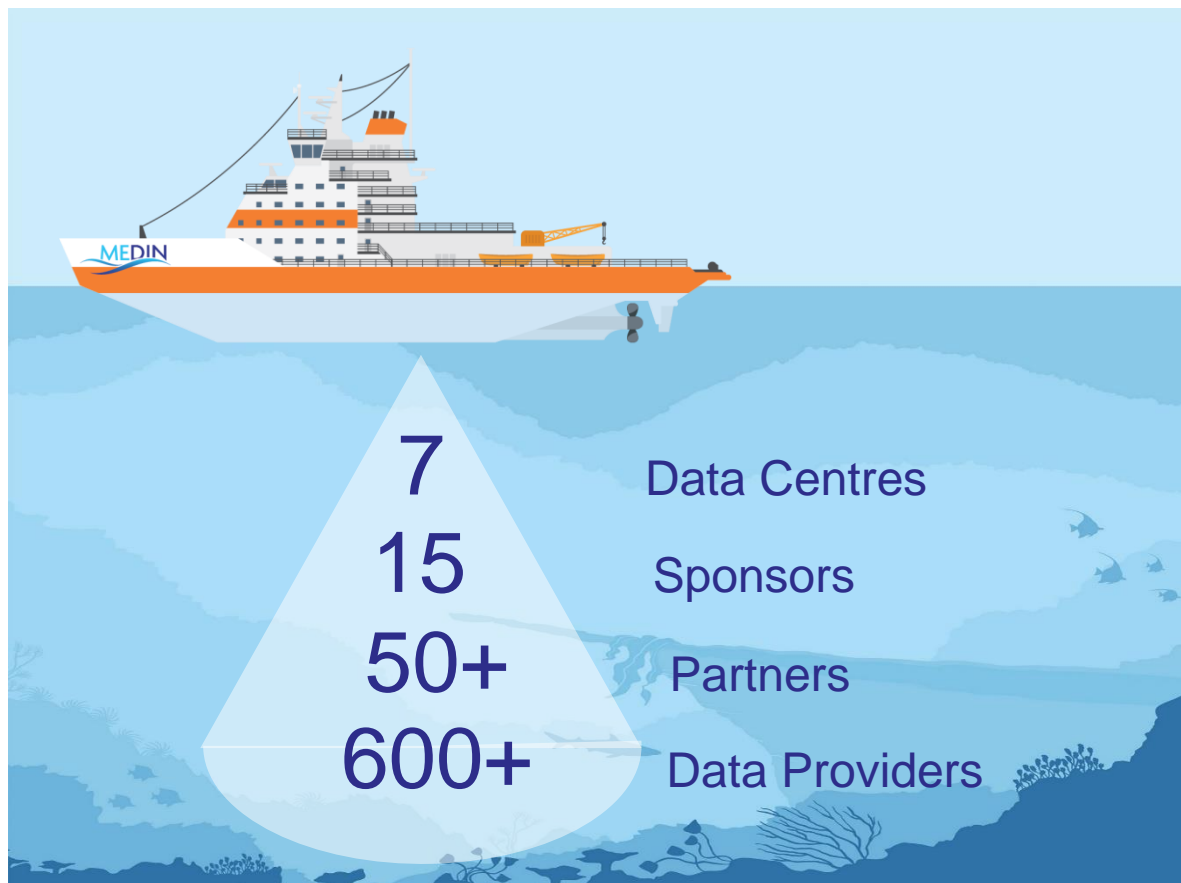
**Building Blocks
for Location**

Other Outputs: Technical Report, recommendations, workshop



Want to get involved?

enquiries@medin.org.uk



Thank you!

MEDIN

marine environmental
data & information network

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 **@MEDIN_marine**
#MEDINAPI